WA90GP

Washing Machine

user manual

imagine the possibilities

Thank you for purchasing this Samsung product.
To receive more complete service, please register your product at

www.samsung.com/hk

SAMSUNG

WA90GP-DC68-02572C-EN-00.indd 1 2009-4-30 14:06:40

features

- **Silver Nano Technology System**

  Silver Nano Technology System can prevent the skin from the invasion of malignant bacteria by virtue of the silver nano that killed the concealed bacteria in the clothing so as to realize verdure and healthy washing. In addition, it can form antibacterial coating on the clothing after washing, which prevents the bacterial from growing.

- **Air Turbo Course**

  For clothes: Reduces the time for drying in the sun;
  For tub: Keeps mildew from breeding and infecting.

- **Super Clean**

  Super Clean can adjust the water level by 5 steps, thus the detergent concentration can be adjusted to normal status so as to promote detergent efficiency

- **Fuzzy Control**

  Fuzzy control operates with best washing course by sensing the wash load like artificial intelligence.

- **Stainless Steel Diamond Drum**

  This lozenge design like diamond, can loosen water flow, prevent laundry damage.

- **Magic Filter**

  As one of Samsung's patents, the unique magic filter ensures that all the lint inside the tubcan be collected and better cleaning results are delivered.

- **Delay Start**

  When you have something to do, you can use this course. The washing is finished by the time you reserved. You'd better give the clothes an airing to keep them from being crushed.

- **The washing and spinning time can be adjusted, and rinsing times can be selected**

  According to the laundry dirty degree, and texture, adjusting washing and spinning time and rinsing times (See P15).

WA90GP-DC68-02572C-EN-00.indd 2 2009-4-30 14:06:40

safety information

Throughout this manual, you'll see Warning ⚠ and Caution ⚠ notes. These warnings, cautions, and the important safety instructions that follow do not cover all possible conditions and situations that may occur. It's your responsibility to use common sense, caution, and care when installing, maintaining, and operating your washing machine. Samsung is not liable for damages resulting from improper use.

IMPORTANT SAFETY SYMBOLS AND PRECAUTIONS

What the icons and signs in this user manual mean:

⚠ **WARNING**	Hazards or unsafe practices that may result in severe personal injury or death.
⚠ **CAUTION**	Hazards or unsafe practices that may result in minor personal injury or property damage.

⚠ WARNING

- If the plug (power supply cord) is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- Use standard reliable alternating current ground socket(3 pin socket).
  - An electric shock may take place,when it is damaged or creepage.
- Do not put heavy things on power supply cord and force it.
  - An electric shock or a fire may take place.
- Do not use damaged plug or socket; don't use several appliances together with a socket.
  - An electric shock or a fire may take place.
- Do not pull the cord off or touch it with moist hands. When pull the cord off,must take hold of the plug, do not pull cord directly.
  - An electric shock or a fire may take place.
- Ventilate immediately without touching the power plug if gas is leaking.
  - An explosion or a fire may take place. Please open the window ventilation,immediately.
- Do not put a candle light or cigarette light on the washer.
  - A fire may take place.
- Do not put laundry stained with gasoline, benzene, or alcohol in the washer, and keep the materials away from the washer.
  - An explosion or a fire may take place.
- During spinning, don't put your hands in the spinning tub.
  - It may hurt your hands. If it does not stop within 15 seconds after you open the lid, call service agent immediately.
- This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely.
  - Young children should be supervised to ensure that they do not play with the appliance.
- No user-serviceable parts inside. Refer any servicing to qualified service personnel.
  - Otherwise this may cause a mechanical error, electric shock, fire or physical damage.
  - The product warranty does not cover problems resulting from disassembling the product by customer.

⚠ CAUTION

- Please unplug the power supply cord when you do not use it.
  - Prevent lightning strike.
- If the washer makes strange noise, smell or smoke, unplug it promptly and call service agent.
- Do not use hot water in washing (exceed 50°C.)
  - Plastic parts may be deformed or damaged, and laundry may be deformed,shrunk or faded.
- Do not open the door and touch the laundry, before the spin basket stopping, absolutely.
  - It's still dangerous, even the spinning speed is slow, please take care of your children, carefully.
- Do not wash the waterproof poncho or laundry etc.
  - It cause abnormal vibration to hurt you, when it is spinning.
- Do not touch control panel with sharp things.
  - It may cause error and An electric shock may take place.
- When cleaning, don't spray water to the parts of the washer directly.
  - It may make its life span shorten. Also An electric shock or fire may take place.
- Use the new hose-sets and old hose-sets should not be reused.

WA90GP-DC68-02572C-EN-00.indd 3 2009-4-30 14:06:41

contents

SETTING UP YOUR WASHER 5

5 Description of parts
5 Selecting a location
6 Levelling
6 Connecting the water supply hose
7 Place drain hose
7 How to change the drain hose
7 Assembling sound absorption panel

WASHING A LOAD OF LAUNDRY 8

8 Control panel
9 Washing for the first time
9 How to put the detergent
9 Checking and readying before washing
10 Washing step
10 Washing program
15 Manual functions

MAINTENANCE 16

16 Cleaning the exterior
16 Cleaning the filter
16 Cleaning the water supply connector filter
16 Cleaning the detergent drawer

TROUBLESHOOTING 17

17 Troubleshooting
17 Follow case is not problem

APPENDIX 18

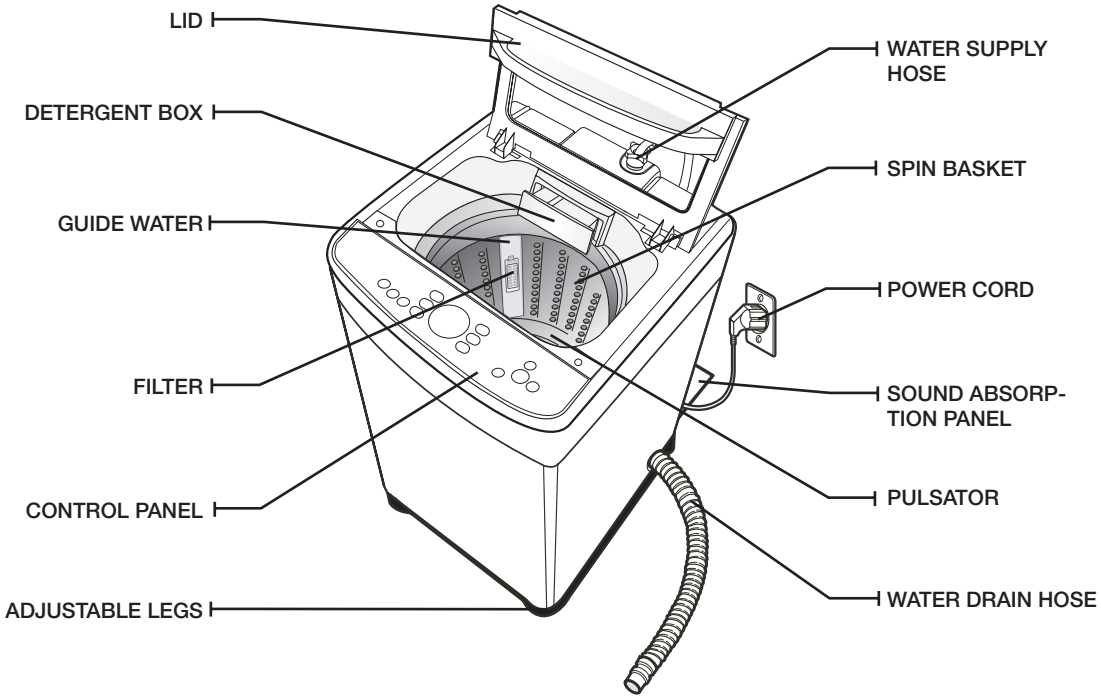
18 Declaration of conformity
18 Specifications

WA90GP-DC68-02572C-EN-00.indd 4 2009-4-30 14:06:41

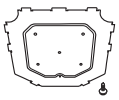
setting up your washer

DESCRIPTION OF PARTS

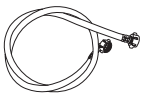
Carefully unpack your washing machine, and make sure you've received all of the parts shown below. If your washing machine was damaged during shipping, or if you do not have all of the parts, contact Samsung Customer Service or your Samsung dealer.



MANUAL BOOK



SOUND ABSORPTION PANEL

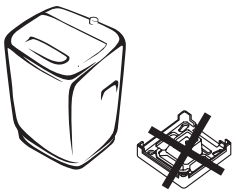


WATER SUPPLY HOSE

SELECTING A LOCATION

Before you install the washing machine, make sure the location:

- Maintain at least 10cm between the washer and the wall.
- Place the washer on a sturdy flat surface.
- Avoid direct sunlight or heaters.
- Never install the washer near water.
- There is a cushion bottom, protecting washer in the transportation,in the packing box.When install and use the washer ,must remove the cushion bottom, otherwise, noise may take place.



WA90GP-DC68-02572C-EN-00.indd 5 2009-4-30 14:06:41

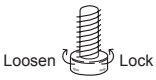
setting up your washer

LEVELLING

1. Select the washer installation position.

If the washer is placed near to corner, maintain at least 10cm between the washer and the wall.

2. Adjust the legs, front, below the washer, to level the washer.



3. The way to level the washer.

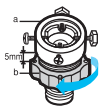
Adjust the front below adjusting leg to level the washer, according to the drip marker of gradienter.

Drip marker	Explain
	Front side is lower
	Back side is lower
	Left side is lower
	Right side is lower

CONNECTING THE WATER SUPPLY HOSE

1. Remove the adaptor from the water supply hose.

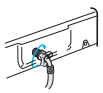
2. First, using a "+" type screw driver, loosen the four screws on the adaptor.
Next, take the adaptor and turn part(b) following the arrow for gap about 5mm between them.



3. Connect adaptor to the water tap by tightening the screws firmly.
Then, turn part (b) following the arrow and put (a) and (b)together.

4. Connect the water supply hose to the adaptor. Pull down the part (c) of the water supply hose .
When the part (c)is released, the hose is automatically connected to the adaptor making a 'click' sound.

option



5. Connect the other end of the water supply hose to the inlet water valve at the back of the washer.
Screw the hose clockwise all the way in.

option

5-1.Connect the other end of the water supply hose to the inlet water valve at the top of the washer.
Screw the hose clockwise all the way in.

option

Ifthe water tap is a screw type, assemble a water supply hose that fits to the tap as shown.

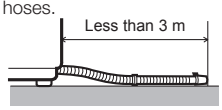
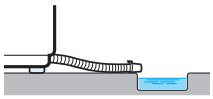
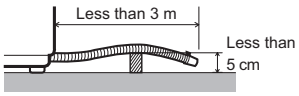
After completing connection, if water leaks from the hose,then repeat the same steps.
Use the most conventional type of faucet for water supply
In case the faucet is square or too big, remove the spacing ring before inserting the faucet into the adaptor.

WA90GP-DC68-02572C-EN-00.indd 6 2009-4-30 14:06:52

PLACE DRAIN HOSE

- Decide the drain hose direction
- Put the end of the drain hose into flume.

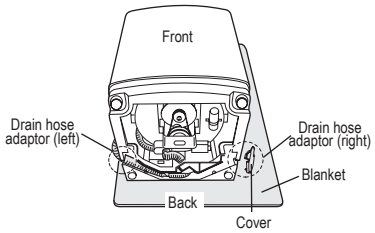
Cautions when inserting the drain hose:

Don't exceed more than 3m when the drain hose is used by connecting whth other hoses.	Be careful to drain water out at the end of the drain hose.	The doorsill shouldn't be more than 5cm.
		

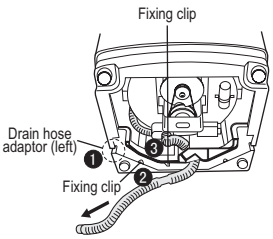
HOW TO CHANGE THE DRAIN HOSE

The drain hose is normally connected on the left side of the machine. Consumers can change it to right side, according to the actual situation,if necessary.

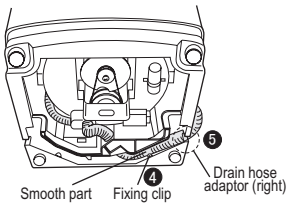
1. Spread soft cloth such as a blanket as a pad on the floor, lay down the washing machine on the back, then take off the cover at the drain hose adaptor (right).
   Do not lay the washing machine directly on the floor, because the floor or the machine may get damaged.



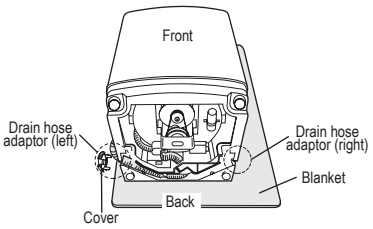
2. Take off the drain hose from the fixing clip in the left.
   You should take it off in the order of drain hose adaptor (left)❶ , fixing clip❷ and fixing clip ❸.
   Note: Do not damage or break the drain hose during operation.



3. Install the drain hose from the fixing clip in the right.
   You should install it in the order of fixing clip ❹ and drain hose adaptor (right) ❺.
   Note: Fix the "smooth part" of the drain hose to the "fixing clip ❹" during operation.



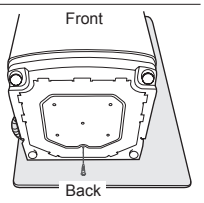
4. Align the cover to the "drain hose adaptor (left)"and install it, then lift up the machine tenderly.



Before changing, the power supply must be cut off (Prevent an electric shock)
Be careful not to damage the drain hose during changing its position. If the drain hose is damage, it will occur leaking.

ASSEMBLING SOUND ABSORPTION PANEL

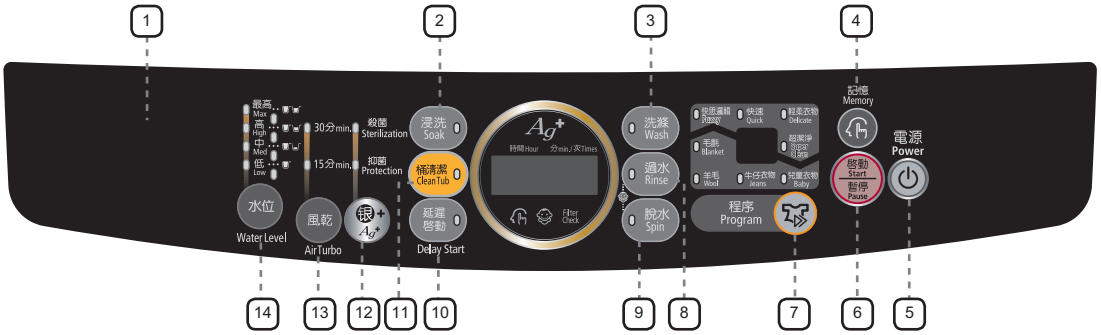
1. Put a blanket or other soft cloth under the washer, then put down the washer.
2. Insert the sound absorption panel into the assembling slot ,in the bottom of washer.
3. Fix the sound absorption panel with the screw in the user manual book bag, after insert the sound absorption panel.



WA90GP-DC68-02572C-EN-00.indd 7 2009-4-30 14:07:12

washing a load of laundry

CONTROL PANEL



1	**DIGITAL GRAPHIC DISPLAY**	Display the runnning program and error messages. During the program running, the programe lamp is light.
2	**SOAK BUTTON**	Press this button to select soak course. You can select the soak time between 10-60 minutes.
3	**WASH BUTTON**	Press this button to change washing time.
4	**MEMORY BUTTON**	Press this button to select the memory function, it can remember the setting program.
5	**POWER BUTTON**	Press this button to turn on/off the washer.
6	**START/PAUSE BUTTON**	Use to pause and restart the operation. To change the washing procedure during operation, press this button to stop,and once again to restart after changing the procedure.
7	**PROGRAM SELECTION BUTTON**	With every press of this button, the washing program changes. FUZZY→QUICK→DELICATE→SUPER CLEAN→BABY→JEANS→WOOL →BLANKET→FUZZY
8	**RINSE BUTTON**	Press this button to change rinsing times (time).
9	**SPIN BUTTON**	Press this button to change spinning time.
10	**DELAY START BUTTON**	Press this button when delay start washing is needed. Delayed time ranges from 3 to 18 hours.
11	**CLEAN TUB BUTTON**	Press this button to select cleaning tub course.
12	**Ag+ BUTTON**	Press this button to select Ag ion course: STERILIZATION+PROTECTION→STERILIZATION→PROTECTION
13	**AIR TURBO BUTTON**	Press this button to select air turbo time: 30 min.→15 min.
14	**WATER LEVEL SELECTION BUTTON**	According to the wash load, select the water level: HIGH→MAXIMUM→HIGH→MEDIUM→LOW→MEDIUM→HIGH

WA90GP-DC68-02572C-EN-00.indd 8 2009-4-30 14:07:14

WASHING FOR THE FIRST TIME

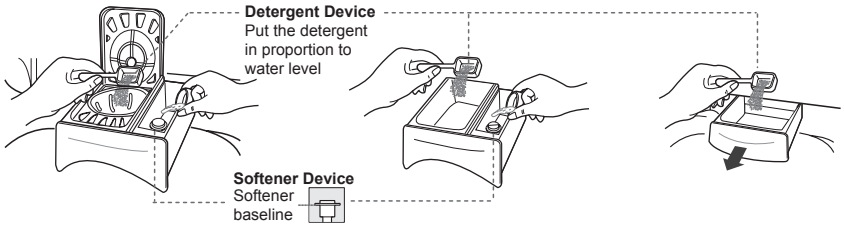
Before washing clothes for the first time, you must run a complete cycle without clothes.

1. Press the **Power** button.
2. Open the detergent drawer and insert a little detergent.
3. Turn on the water tap of the washer.
4. Press the **Start/Pause** button.

   This will remove any water from the manufacturer's test run remaining in the machine.

HOW TO PUT THE DETERGENT option

1. Open the detergent box by pulling in the direction of the arrow as shown in the figure and then put the powder detergent in the detergent box.
2. Put in one-time amount of detergent evenly so the detergent may not brim over the box.



If softener is stored over the above base line, it may flow down at any time.

CHECKING AND READYING BEFORE WASHING

Must follow the checkpoints in order to avoid laundry damages.

Take out personal belongings from pockets.
Check the pockets, take out airpins and coins, etc, that cause damages to clothes and washing machine.

Those garments having big volume and light weight must use the laundry net(to be purchased additionally).
The underwear with metal may be pulled out and damage other laundry or inner tub, so these laundry must be put into special laundry net.
Those garments, fine wool fabric, laundry with decoration having big volume and light weight would be twisted, and be damaged. Use the laundry net to wash.

These jeans or work clothes with zippers or clasps should be closed the zippers and clasps before washing.

Turn inside out for those nappy clothes before washing.
If clothes is easy nappy, separate them for washing, otherwise Other clothes may pick up those dirty matters (dirt, thread).

Not washable laundry
Do not wash and spin the laundry with gasoline, coal oil, alcohol or any impregnant (a fire may take place).
When washing and spinning the clothes with feater, speedy, the inside feather will expose exterior costuming, damage the clothes. So do not suggest that wash these kind of colthes with washer.

WA90GP-DC68-02572C-EN-00.indd 9 2009-4-30 14:07:14

washing a load of laundry

WASHING STEP

Washing step:

1. Open the water tap.
2. Open the washer lid.
3. Put the clothes into washing tub loosely, one by one, don't overload.
4. Pull open the detergent drawer, put suited detergent.
5. Close the washer lid.
6. Press the **Power** button.
7. Press **Program** button, repeatedly, to select needful washing program: Fuzzy,Quick,Delicate,Super Clean,Baby,Jeans,Wool,Blanket,...
8. Press **Start/Pause** button, the washer begin to run.

After washing finishing:

1. Close the water tap.
2. Pull off the power plug of washer.
3. Open the washer lid.
4. Take out clothes.

WASHING PROGRAM

Before starting washing, check the following:
Connect the water supply hose to the water tap. Leave a tap open. Plug the power cord in. Make sure to lay down the drain hose.

FUZZY PROGRAM

Selects the best washing course automatically.

1. Press the **Power** button to "On".
2. Press the **Start/Pause** button.

   Water level is selected automatically. Washing rinsing, and spinning follow. If you want to pause, press the **Start/Pause** button again. You can change the course when paused.
3. Close the lid.

QUICK PROGRAM

If you want to wash those frequently used towels or less dirty laundry time.
Because washing is speedy, it is good for light or less stained laundry.

1. Press the **Power** button to "On".
2. Press the **Program** select button once.
3. Press the **Start/Pause** button.

   Water level is selected automatically. Washing rinsing, and spinning follow. If you want to pause, press the **Start/Pause** button again. You can change the course when paused.
4. Close the lid.

WA90GP-DC68-02572C-EN-00.indd 10 2009-4-30 14:07:15

DELICATE PROGRAM

Washable sweater, cardigan, delicate clothes etc.

1. Press the **Power** button to “On”.
2. Press the **Program** select button two times.
3. Press the **Start/Pause** button.

   Washing rinsing, and spinning follow. If you want to pause, press the **Start/Pause** button again. You can change the course when paused.
4. Close the lid.

CAUTION
- You can only select cold water.
- The last spin operates lightly to prevent wrinkles.
- Use the detergent indicated in the laundry.

SUPER CLEAN

Five steps wash, wash clothes more clean.

1. Press the **Power** button to “On”.
2. Press the **Program** select button three times.
3. Press the **Start/Pause** button.

   Water level is selected automatically.Washing rinsing, and spinning follow. If you want to pause, press the **Start/Pause** button again. You can change the course when paused.
4. Close the lid.

BABY PROGRAM

This course can keep the children’s skin from being hurt by detergent.

1. Press the **Power** button to “On”.
2. Press the **Program** select button four times.
3. Press the **Start/Pause** button.

   Water level is selected automatically.Washing rinsing, and spinning follow. If you want to pause, press the **Start/Pause** button again. You can change the course when paused.
4. Close the lid.

JEANS PROGRAM

This program can be used to wash the clothes like jeans.

1. Press the **Power** button to “On”.
2. Press the **Program** select button five times.
3. Press the **Start/Pause** button.

   Water level is selected automatically.Washing rinsing, and spinning follow. If you want to pause, press the **Start/Pause** button again. You can change the course when paused.
4. Close the lid.

WA90GP-DC68-02572C-EN-00.indd 11 2009-4-30 14:07:15

washing a load of laundry

WOOL PROGRAM

You can wash these wool fabric with pure wool marker and can be washed by washer.

1. Press the **Power** button to “On”.
2. Press the **Program** select button six times.
3. Press the **Start/Pause** button.

   Washing rinsing, and spinning follow. If you want to pause, press the **Start/Pause** button again. You can change the course when paused.
4. Close the lid.

CAUTION
- You can only select cold water.
- The last spin operates lightly to prevent wrinkles.
- Use the detergent indicated in the laundry.

BLANKET PROGRAM

(Big volume laundry like blanket and bed cover sheets)

1. Press the **Power** button to “On”.
2. Press the **Program** select button seven times.
3. Press the **Start/Pause** button.

   Water level is selected automatically.Washing rinsing, and spinning follow. If you want to pause, press the **Start/Pause** button again. You can change the course when paused.
4. Close the lid.

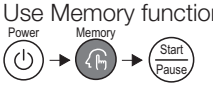
MEMORY PROGRAM

This function can remember your washing program in common use, operation is easy.

Set the memory function:

1. Press the **Power** button to “On”.
2. Press the **Memory** button.
3. Press **Program** button to select program you want to remember.
4. Press the **Start/Pause** button.
   After you press Start/Pause, the set program can be used.

Use Memory function:



1. Press the **Power** button to “On”.
2. Press the **Memory** button.
   Washer will run you set memory program, automatically
3. Press the **Start/Pause** button.
   The washer start to run.
4. Close the lid.

CHILD-LOCK FUNCTION

This is a device to protect children from being accidentally hurt while playing with the washer.

Press both the **Rinse** and **Spin** buttons at the same time and keep 3 seconds, when the washing program is running, the Child-Lock lamp is light, and Child-Lock function is start up

CAUTION
- When the Child-Lock function is start up, press any button, besides **Power** button, the wash is no action, the washer is still run, according to the set program.
- When the Child-Lock function is start up, if you open the door, in the spinning, the display window will display “dE”, and the washer stop running, after close the door, the washer will still run.
- To release Child-Lock function, press Rinse and Spin buttons, at same time, the Child-Lock lamp is turn off, and the Child-Lock function is released.

WA90GP-DC68-02572C-EN-00.indd 12 2009-4-30 14:07:16

SOAK PROGRAM

It can be used to wash very dirty laundry.

1. Press the **Power** button to “On”.
2. Press the **Soak** button .

   You may change the soak time with use the **Soak** button.(from 10 min. to 60 min.)
3. Press the **Start/Pause** button.

   Water level is selected automatically.Washing rinsing, and spinning follow.
4. Close the lid.

CLEAN TUB PROGRAM

Use this course to clean the tub. It will keep the tub clean and sanitary.

1. Press the **Power** button to “On”.
2. Press the **Clean tub** button once.

   Clean Tub and Soak lamp is turn on, at same time.
   Water level is set to high level.
3. Press the **Start/Pause** button.
4. Add a delicated detergent and close the lid.

CAUTION
- Never place laundry in the tub when cleaning inner tub, as this can cause discoloration or damage to the laundry.
- When washing the laundry after cleaning the tub, you may find some impurities. These are just detergent residues and impurities after the tub cleaning. Perform the rinse cycle two to three times.
- Please purchase special detergent to clean tub.

DELAY START PROGRAM

Select this course when you have to go out or do something else.

1. Press the **Power** button to “On”.
2. Press the **Delay Start** button once.

   You may change the delay start time with use the **Delay Start** button.(from 3 hours to 18 hours)
3. Press the **Start/Pause** button.

   Put the proper amount of detergent into the detergent box.
4. Close the lid.

   The washing finishes by the time you reserved.

WA90GP-DC68-02572C-EN-00.indd 13 2009-4-30 14:07:16

washing a load of laundry

AG+ PROGRAM

Ag ion have sterilization and protection function, washing is healthful.

1. Press the **Power** button to “On”.
2. Press the **Ag+** button.

   You can select Sterilization + Protection, Sterilization, Protection function.
3. Press the **Start/Pause** button.

   The water level is selected automatically, and into the Ag+ washing program.
4. Close the lid.

CAUTION
- Manual function don’t include Sterilization, Protection function, when you select these program, you can’t select “Sterilization + Protection”, “Sterilization”, “Protection” function, again.
- Manual function ,please see P15.
- If you use Ag+ function once a week, you can use it about 10 years. If you use Ag+ function many times a week, consumer should inform special service personnel to change Ag+ generator.

AIR TURBO PROGRAM

Reduce the time of drying outside in the sun and keep mildew from breeding and infecting within the spin tub.

1. Press the **Power** button to “On”.
2. Press the **Air Turbo** button.

   Select air turbo for 30 min. or 15 min.
3. Press the **Start/Pause** button.

   Washing rinsing,spinning, air turbo follow.
4. Close the lid.

CAUTION
- Air Turbo function is inside automatic program, when you select automatic program “Fuzzy”, “Quick”, “Super Clean”, “Jeans”, “Blanket”, you can select 30 min. or 15 min air turbo function, again.
- Manual function without spin course, can’t select Air Turbo function again. Such as “Wash”, “Rinse”, “Wash + Rinse”.

WA90GP-DC68-02572C-EN-00.indd 14 2009-4-30 14:07:16

MANUAL FUNCTIONS

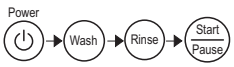
User can set the washing function in the following operating manner according to your needs.

WASH AND RINSE AND SPIN
Press the **Power** button.
Press the **Wash**,**Rinse** and **Spin** button once.
Press the **Start/Pause** button once.
Washing, rinsing, spinning follow.
If you press the **Wash**,**Rinse** and **Spin** buttons during working, you can change the wash, rinse and spin times.

WASH ONLY
Press the **Power** button.
Press the **Wash** button once.
Press the **Start/Pause** button once.
Washing goes on.
When the **Wash** button is pressed during washing, the wash time can be changed.

RINSE ONLY
Press the **Power** button.
Press the **Rinse** button once.
Press the **Start/Pause** button once.
Rinsing goes on.
When the **Rinse** button is pressed during rinsing, the rinse times can be changed to between 1 to 5 times in duration.

SPIN ONLY
Press the **Power** button.
Press the **Spin** button once.
Press the **Start/Pause** button once.
Spinning goes on.
When the **Spin** button is pressed during spinning, the spin time can be changed.



WASH AND RINSE
Press the **Power** button.
Press the **Wash** and **Rinse** button once.
Press the **Start/Pause** button once.
Washing, rinsing follow.
If you press the **Wash** and **Rinse** buttons during working, you can change the wash time and rinse times.

RINSE AND SPIN
Press the **Power** button.
Press the **Rinse** and **Spin** button once.
Press the **Start/Pause** button once.
Rinsing, spinning follow.
If you press the **Rinse** and **Spin** buttons during working, you can change the rinse time and spin times

WA90GP-DC68-02572C-EN-00.indd 15 2009-4-30 14:07:17

maintenance

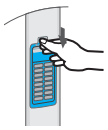
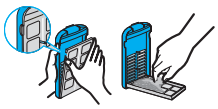
Keeping your washing machine clean improves its performance, wards off unnecessary repairs, and lengthens its life.

CLEANING THE EXTERIOR

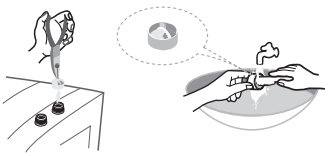
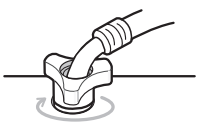
1. Wipe the washing machine surfaces, including the control panel, with a soft cloth using a nonabrasive household detergent.
2. Use a soft cloth to dry the surfaces.
3. Do not pour water onto the washing machine.

CLEANING THE FILTER

Clean the filter net often to keep the washer clean.

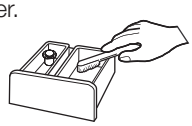
1. Push the upper part of the Magic filter and pull in. 	2. Open the cover as shown in the figure. 
3. Clean the Magic filter.	4. Close the cover and insert the lower part of the filter in the basket first and then push the filter with “click” sound.

CLEANING THE WATER SUPPLY CONNECTOR FILTER

1. Pull out the filter and wash well. 	2. Pull in the filter and connect the hose to the inlet water valve tightly. 	3. Check if there is a leakage. Note to tighten up the connector.

CLEANING THE DETERGENT DRAWER

1. Pull out the detergent drawer, and uptilt it, take down the detergent drawer.
2. Wash the detergent drawer with clean water.
3. After cleaning, install the detergent drawer to washer.



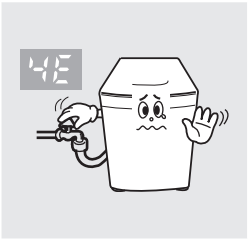
WA90GP-DC68-02572C-EN-00.indd 16 2009-4-30 14:07:19

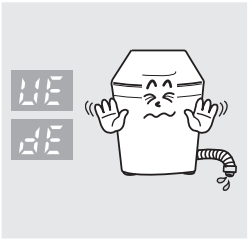
TROUBLESHOOTING

Washing machine won't work
Is the water tap opened?
Is the washer plugged in?
Is the power cut off?
Is there enough water?
Is the fuse broken?
Is the **Start/Pause** button pressed?

Water dose not drain
Is the drain hose down?(No pump)
Is the drain hose frozen?
Is the drain hose clogged?
If the water dose not drain in 15 minutes, a buzzer will sound, and the remaining time indicator will show "5E".

Water is not supplied
Is the water tap opened?
Is the water cut off?
Is the water supply hose or hose connection clogged?
Is the water tap frozen?
If water is not supplied in 4 minutes, a buzzer will sound, and the remaining time indicator will show "4E".





Spinning does not work
Is the laundry spread out evenly in the washer?
Is the washer set on a sturdy flat surface?
Is the lid colsed?

FOLLOW CASE IS NOT PROBLEM

CASE	CAUSE
Change to Rinse course,suddenly, when the washer is in spinning course.	When the laundry is unbalanced, the washer will change to rinse course automatically, to adjust the laundry to a balanced situation, automatically, then resume spin. If this unbalanced situation sitll happened, after above is runed ,the buzzer will sound, you can open the washer door and put the laundry level.
The water is not supplied, and the pulsator rotate repeatedly	After selecting the washing program and press "Start/Pause" button, the washer will detect the laundry quantity and select water level, through rotating the pulsator,then begin to supply water.
When the spinning is beginning, the spinning tub rotate discontinuity	When spinning is beginning, the spinning tub start to spin slowly, then change quick. This is a discontinuous spinning course, to avoid residual lather.
Start to supply water, in the washing course	Micom will detect water level momently in the washing and rinse course, if the water level is lower, the washer will start to supply water, automatically.
Before drain action, the pulsator will rotate gently,cont inuous,repeatedly	It will prevent the laundry unbalanced(if the laundry unbalanced,the abnormal noise may take place).
the local place on control panel gently heat.	If the power cord still plug in, the local place on control panel will gently heat. This is a normal situation, don't worry about it. If you pull off the power cord plug, this situation will disappear, automatically.
It's different between display time and actual time	Every program actual running time is different from the PCB designing clock, because the water pressure and power voltage and frequency is different in different area.
Filter Check lamp is light	After the washing is finish, the Filter Check lamp on the control panel, is light, it's normal situation, it remind you to clean filter regularly, to avoid the dirty object in the filter to pollute clean clothes, again. Open the door, the filter lamp will turn off, automatically.

WA90GP-DC68-02572C-EN-00.indd 17 2009-4-30 14:07:19

appendix

DECLARATION OF CONFORMITY

This appliance complies with European safety standards, EC directive 93/68 and EN Standard 60335.

SPECIFICATIONS

<table>
<tr><td rowspan="2">MAX. MASS OF DRY CLOTH IN kg</td><td rowspan="2">WA90GP</td><td rowspan="2">7.0kg</td><td rowspan="4">STANDARD WATER LEVEL</td><td>MAXIMUM</td><td>55L/52L</td></tr>
<tr><td>HIGH</td><td>47L/44L</td></tr>
<tr><td rowspan="2">POWER CONSUMPTION</td><td>WASH</td><td>330W</td><td>MEDIUM</td><td>39L/36L</td></tr>
<tr><td>SPIN</td><td>230W</td><td>LOW</td><td>32L/30L</td></tr>
<tr><td colspan="3">DIMENSIONS(mm)</td><td>W540xD565xH900</td><td colspan="2" rowspan="2">WATER USAGE</td><td rowspan="2">168L</td></tr>
<tr><td colspan="3">WEIGHT</td><td>32kg</td></tr>
<tr><td colspan="3">WATER PRESSURE</td><td>0.05~0.78 MPa
(0.5 ~ 8.0 kg . f/cm^2)</td><td colspan="2" rowspan="2">SPIN SPEED</td><td rowspan="2">715rpm</td></tr>
<tr><td colspan="3">WASHING TYPE</td><td>Stirring Type</td></tr>
</table>

The energy grade is tested in the “Super Clean” program.

WA90GP-DC68-02572C-EN-00.indd 18 2009-4-30 14:07:19

memo

WA90GP-DC68-02572C-EN-00.indd 19 2009-4-30 14:07:20

QUESTIONS OR COMMENTS?

Country	CALL	OR VISIT US ONLINE AT
HONG KONG	3698-4698	www.samsung.com/hk

Code No. DC68-02572C_EN